This Page Is Inserted by IFW Operations and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

As rescanning documents will not correct images, please do not report the images to the Image Problem Mailbox.

Approved for use through 10/31/99. OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 135 no persons are remitted to respond to a collection of information unless it contains a valid OMB control number.

Outsethute for F	orm 1449A/PTO		PRADEMARIT	Complete if Known			
				Application Number	10/037,280		
			LOSURE	Filing Date	January 4, 2002		
STATE	MENTBY	AP	PLICANT	First Named Inventor	Jay A. Murdock et al.		
				Group Art Unit	N/K 3612		
(us	se as many sheel	ts as ne	cessary)	Examiner Name	NA PGOOL		
Sheet	1	of	5	Attorney Docket Number	LEAR 0960 R		

		U.S. PATENT DO	CUMENTS	
Examiner Cite	U.S. PATENT DOCUMENT Kind Code Number (if known		Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
æg'	2,095,715	Rhein	12/12/1937	
	2,201,348	Roberts	5/21/1940	
	2,201,377	Schoenheit	5/21/1940	
h	2,201,378	Schoenheit	5/21/1940	
X H	2,207,668	Hudgings, Jr.	7/9/1940	
10	2,221,182	Davies	11/12/1940	
	2,260,482	Roberts	10/28/1941	
	2,264,603	Westrope	12/2/1941	
	2,284,784	Westrope	6/2/1942	
	2,294,317	Pelcher et al.	8/24/1942	
	2,322,898.	Dresser	6/29/1943	
	2,458,707	Jacobs	1/11/1949	
	2,566,523 -	Holland et al.	9/4/1951	
	2,667,222	McCarthy et al.	1/26/1954	
	2,921,813	Lowry	1/19/1960	
	3,032,371	Berridge et al.	5/1/1962	
	3,343,867	Couch et al.	9/26/1967	
	3,403,937	Quaine	10/1/1958	
	3,556,585	Binder	1/19/1971	
	3,741,616	Mahler et al.	1/26/1973	
SHO	3,865,428	Chester	2/11/1975	

			· · · · · · · · · · · · · · · · · · ·	FOREIG	iN F	PATENT DOCUMEN	ITS		
Examiner Initials	Cite No. ^t			Kind	ind Code ⁵ Name of Patentee or (if known) Applicant of Cited Document		Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
	$\overline{}$	DE	24 48 280				Apr. 1976		
		DE	24_42 333				_Mar. 1975		Ш
		DE	33 24 305	A1			Jan. 1985		Ш
		DΕ	41 23 117	A1			Jan. 1993		
		DE	42 08 267	C1			Sep. 1993		Ш
		DE	32 35 997	A1			Mar. 1984		Ш
		FR	2 470 703				Jun. 1981		Ш
		FR	2 491-403				Apr. 1982		
		FR-	-2 697 479				May 1994		Ш

Examiner	2 11 0	Date	42/ /22
Signature	DENNIS H. (GODO)	Considered	10/1/06
*EXAMINER:	Initial if reference considered, whether or not citation is in conformance	with MPEP 609. Draw lin	ne through citation if not in conformance and not

considered. Include copy of this form with next communication to applicant. ¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents, ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

MAR 2 5 2002 8

PTO/SB/08A (10-96) [MODIFIED]
Approved for use through 10/31/99. OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no descons are required prespond to a collection of information unless it contains a valid OMB control number.

Complete if Known

Cubatituta for I	Form 1449A/PTO		A TRADE	Complete if Known		
				Application Number	10/037,280	
	MATION I			Filing Date	January 4, 2002	
STATE	MENT BY	APP	LICANT	First Named Inventor	Jay A. Murdock et al.	
				Group Art Unit	N/A-3612	
(L	ise as many shee	ts as nece	ssary)	Examiner Name	N/A PRODER	
Sheet	2	of	5	Attorney Docket Number	LEAR 0960 R	

				U.S. PATENT DO	CUMENTS	
Examiner Initials	Cite No.1	U.S. PATENT D	OCUMENT Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
20/3/		4,075,468		Marcus	2/21/1978	
		4,203,149		Viertel et al.	5/13/1980	
		4,227,241		Marcus	10/7/1980	
		4,353,592		Cziptschirsch	10/12/1982	
		4,364,597		Viertel et al.	12/21/1982	
		4,378,129	j	Kaiser et al.	3/29/1983	
		4,390,202 .		Flowerday et al.	6/28/1983	
		4,411,467		Cziptschirsch et al	10/25/1983	
		4,435,009		Foggini	3/6/1984	
		4,458,938		Viertel et al.	7/10/1984	
		4,494,789		Flowerday	1/22/1985	
		4,500,131		Fleming	2/19/1985	
		4,521,046		Foggini	6/4/1985	·
		4,525,008		Foggini	6/25/1985	
		4,533,275		Foggini	8/6/1985	
		4,582,356		Kaiser et al.	4/15/1986	
		4,635,994		Dietz et al.	1/13/1987	
		4,681,363		Hemmeke et al.	7/21/1987	
		4,696,510		Zwirner	9/29/1987	
		4,834,955		Connor	4/5/1988	
# iP		4,763,946		Robbins et al.	8/16/1988	

<u> </u>	_		F	OREIGN P	ATENT DOCUMEN	ITS	<u>-</u>	
Examiner Initials	Cite No.1	Foreign Patent Office ³ Number ⁴		ument Kind Code ^s (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Paesages or Relevant Figures Appear	
~	1	GB	1 395 689			May 1975		
		GB	1 422 368			Jan1976		
		GB	2 088 299			Jun. 1982		Ш
		GB	2 115 762			Sep. 1983		
		GB	2 154 192			_Sep. 1985		Ш
		JР	5 286 363			Nov. 1993		
		EP	0 180 700		1.00	May 1986		
		EР	0 231 440			Aug. 1987	,	Ш

Examiner		Date	
Signature	DONNIS A COOPER	Considered	10/1/00

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

/SB/08A (10-96) [MODIFIED]

Approved for use through 10/31/99. OMB 0651-0031 stent and Trademark Office: U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Ask of 1995, nations are required to respond to a collection of information unless it contains a valid OMB control number.

				Complete if Known			
Substitute for	Substitute for Form 1449A/PTO		Application Number	10/037,280			
INFOR	MATION D	ISCI	LOSURE	Filing Date	January 4, 2002		
STATE	MENT BY	APP	LICANT	First Named Inventor	Jay A. Murdock et al.		
				Group Art Unit	N/A-3612		
lus	se as many sheets	as nec	essary)	Examiner Name	NIA- 96006		
Sheet	3	of	5	Attorney Docket Number	LEAR 0960 R		

	_		_	U.S. PATENT DO	CUMENTS	
Examiner Initials	Cite No.1	U.S. PATENT D	OCUMENT Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
20		4,810,023		Kawada	3/7/1989	
		4,858,983		White et al.	8/22/1989	
		4,902,063		Crink	2/20/1990	
		4,921,300		Lawassani et al.	5/1/1990	
		4,925,233		Clark	5/15/1990	
28		4,941,704		Baumert et al.	7/17/1990	
7		4,952,008		Lobanoff et al.	8/28/1990	
	_	4,982,992		Vu et al.	1/8/1991	
\sqcap		4,998,765		Van Order et al.	3/12/1991	
		5,004,288		Viertel et al.	4/2/1991	
		5,004,289		Lanser et al.	4/2/1991	
2/1		5,007,532		Binish	4/16/1991	
		5,011,212		Viertel et al.	4/30/1991	
		5,026,108		Leahy	6/25/1991	
		5,031,953	T	Miller	7/16/1991	
		5,042,867		Crotty, III et al.	8/27/1991	
		5,042,897		Meltz et al.	8/27/1991	
		5,044,687		Abu-Shumays et al.	9/3/1991	
SK		5,054,839		White et al.	10/8/1991	
×		5,071,186		Hemmeke et al.	12/10/1991	

			F	OREIGN P	ATENT DOCUMEN	ITS		
			Foreign Patent Doo			Date of Publication	Pages, Columns, Lines, Where Relevant	
Examiner Initials	Cite No.1	Office ³	Number 4	Kind Code ⁵ (<i>if known</i>)	Name of Patentee or Applicant of Cited Document	of Cited Document MM-DD-YYYY	Passages or Relevant Figures Appear	Ĺ
_								
							·—·	-

Examiner Signature	DENNIS	14.	Copper	Date Considered	10/1/02	
Digital Co				 ·		

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

/SB/08A (10-96) [MODIFIED]

Approved for use through 10/31/99. OMB 0651-0031

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Addition persons are required to respond to a collection of information unless it

contains a valid OMB control number.

				Complete if Known		
Substitute fo	r Form 1449A/	PTO		Application Number	10/037,280	
INFORM	IATION E	DISC	LOSURE	Filing Date	January 4, 2002	
STATE	MENT BY	APF	PLICANT	First Named Inventor	Jay A. Murdock et al.	
				Group Art Unit	N/A 3612	
(us	e as many sheet	s as nec	essary)	Examiner Name	NA PEODO	
Sheet	4	of	5	Attorney Docket Number	LEAR 0960 R	

		U.S. PATENT DO	CUMENTS	
Examiner Cite	U.S. PATENT DOCUME Kind (Number (if kr	 Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
ZAH/	5,131,711	Laferle	7/21/1992	
7	5,161,850	Redder et al.	11/10/1992	
	5,205,604	Smith	4/27/1993	
	5,205,635	Van Order et al.	4/27/1993	
	5,205,639	White et al.	4/27/1993	·
	5,255,965	Chen et al.	10/26/1993	
SA	Des.346,358	Peterson	4/26/1994	
280	5,331,518	Roark et al.	7/19/1994	
DNO	5,338,082	Miller	8/16/1994	
711	5,365,416	Peterson	11/15/1994	
201	5,374,097	George et al.	12/20/1994	
200	5,409,285	Snyder et al.	4/25/1995	
200	5,445,427	Vandagriff	8/29/1995	
24	5,454,617	 Welter	10/3/1995	
SW 2	5,538,310	Frankhouse et al.	7/23/1996	·
RN D	5,560,669	Gute	10/1/1996	
700	5,580,118	Crotty, III	12/3/1996	<u> </u>
2011/1	5,645,308	Fink	7/8/1997	
FN	5,653,490	Fink et al.	8/5/1997	
~ \$	Re.35,622	Wilson	10/7/1997	
28	5,823,603	Crotty, III	10/20/1998	

	FOREIGN PATENT DOCUMENTS										
			Foreign Patent Doo	cument		Date of Publication	Pages, Columns, Lines, Where Relevant				
Examiner Initials	Cite No.1	Office ³	Number 4	Kind Code⁵ (if known)	Name of Patentee or Applicant of Cited Document	of Cited Document MM-DD-YYYY	Passages or Relevant Figures Appear	T°			
						•					
								\dashv			
								ᅱ			
		 						\neg			

Examiner	7		\mathcal{O}	Date	10%	/ 2	
Signature	Dann.s	4.	10000	Considered	, - / /	/ • <u> </u>	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁵ Applicant is to place a check mark here if English language Translation is attached.

/SB/08A (10-96) [MODIFIED]
Approved for use through 10/31/99. OMB 0651-0031

Under the Paperwork Reduction 1995, to persons are required to respond to a collection of information unless it contains a valid OMB control number.

			_	Complete if Known			
Substitute fo	or Form 1449A	/PTO		Application Number	10/037,280		
INFORM	NATION I	DISCL	.OSURE	Filing Date	January 4, 2002		
STATEMENT BY APPLICANT				First Named Inventor	Jay A. Murdock et al.		
				Group Art Unit	NA 3612		
(us	se as many shee	ets as nece	ssary)	Examiner Name	NTA POODO		
Sheet	5	of	5	Attorney Docket Number	LEAR 0960 R		

				U.S. PATENT DO	CUMENTS	
Examiner Initials	Cite No.1	U.S. PATENT D	OCUMENT Kind Code ² (<i>if known</i>)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
DI		5,860,690		Dellinger et al.	1/19/1999	
DN/		5,871,252		Gute	2/16/1999	
ZXX		5,887,933		Peterson	3/30/1999	
ZV	2	5,906,424		Peterson	5/25/1999	
DK		5,924,748		Zapinski	7/20/1999	
		6,067,078		Hartman	5/23/2000	<u> </u>
		6,131,985		Twietmeyer et al.	10/17/2000	
				•		
<u> </u>						

	FOREIGN PATENT DOCUMENTS											
Examiner Initials	Cite No.1	Office ³	Foreign Patent Doo	cument Kind Code ⁵ (<i>if known</i>)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear					
miliais	NO.	Onice	Runber	(II KNOWII)	Applicant of Cited Document	INIVI-DB-1111	1 igui ou 7 ippour	Ė				
								Г				
								ĺ				

						, ,
Examiner		0)	Date	00//	.7
Signature	DEMN.S	11 10	DOER	Considered	10/1/0	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.